

Claims

1. A drum drive comprising an essentially cylindrical drum that delimits an internal space intended for receiving an electromotor with a stator and a rotor for producing a rotating movement of the drum about a shaft (7) intended for being fixedly mounted on supporting elements, **characterised in** that the stator is turnably journaled about the shaft (7); that the motor comprises at least one resilient damping device (10) that is connected to the shaft (7) and to the stator and extends radially from the shaft (7) in a plane essentially at right angles thereto; and that the damping device (10) is intended for absorbing forces that strive to cause the stator to rotate about the shaft (7).
2. A drum drive according to claim 1, **characterised in** that the damping device comprises a centre element (11) configured for being fixedly connected to the shaft (7); and a connecting element (20a) configured for being connected to the stator; and that the spring element (31) exhibits a plane zigzag-shaped course in relation to a straight line (8) from the centre element (11) to the connecting element (20a).
3. A drum drive according to claim 2, **characterised in** that the damping device comprises at least one further spring element (31) with a plane zigzag-shaped course in relation to a straight line (9); and a connecting element (20b) configured for being connected to the stator; and that the spring elements (31) connecting the centre element (11) to the connecting element (20a) extend in the same plane as the first-mentioned straight line (8) under an angle in relation thereto.

4. A drum drive according to claim 2 or 3, **characterised in** that the spring elements (31) are arranged rotationally symmetrical about the centre element (11).
- 5 5. A drum drive according to anyone of claims 2-4, **characterised in** that the spring element (31) comprises segments (31) that extend more or less at right angles to said straight line (8,9) between the centre element (11) and the connecting element (20a, 20b).
- 10 6. A drum drive according to anyone of claims 3 to 5, **characterised in** that the segments (31) are connected to each other via transition parts (30) that extend approximately in parallel with said straight line (8 ,9).
- 15 7. A drum drive according to anyone of claims 3 to 6, **characterised in** that the longitudinal expanse of the individual segments (31) decreases towards connecting element (20a, 20b).
- 20 8. A drum drive according to anyone of claims 3 to 7, **characterised in** that the individual segments (31) have a transverse expanse that decreases towards the connecting element (20a, 20b).
9. A drum drive according to anyone of the preceding claims, **characterised in** that the spring element (31) is formed of plastics material.
- 25 10. A drum drive according to claims 1-9, **characterised in** that the spring element (31) is formed of metal or of a rubber material.